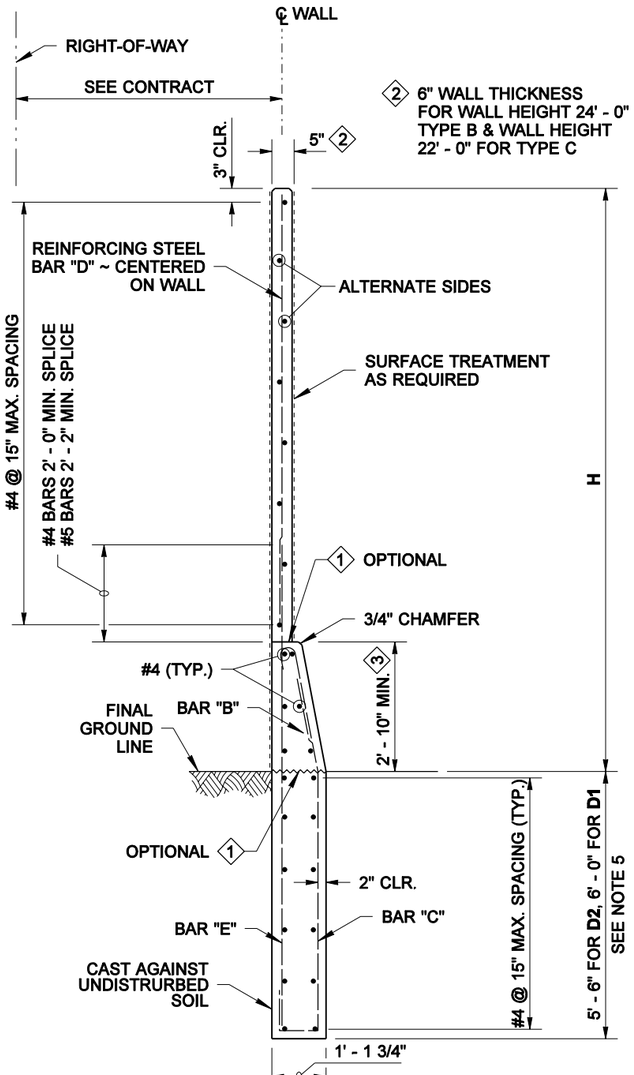
DRAWN BY: ADAM COCHRAN

WALL HT H	TYPE 5SSA BAR "B"&"C"	TYPE 5SSA BAR "D"&"E"	TYPE 5SSB BAR "B"&"C"	TYPE 5SSB BAR "D"&"E"	TYPE 5SSC BAR "B"&"C"	TYPE 5SSC BAR "D"&"E"	TYPE 5SSD BAR "B"&"C"	TYPE 5SSD BAR "D"&"E"	WALL HT H
6' - 0"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	6' - 0"
8' - 0"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	8' - 0"
10' - 0"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	10' - 0"
12' - 0"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 15"	#4 @ 12"	#4 @ 15"	12' - 0"
14' - 0"	#4 @ 15"	#4 @ 15"	#4 @ 11"	#4 @ 11"	#4 @ 11"	#4 @ 11"	#4 @ 10"	#4 @ 11"	14' - 0"
16' - 0"	#4 @ 14"	#4 @ 14"	#4 @ 10"	#4 @ 10"	#4 @ 10"	#4 @ 10"	#4 @ 12"	#4 @ 10"	16' - 0"
18' - 0"	#4 @ 10"	#4 @ 12"	#4 @ 10"	#5 @ 12"	#4 @ 10"	#4 @ 10"	#4 @ 9"	#4 @ 10"	18' - 0"
20' - 0"	#4 @ 10"	#4 @ 10"	#4 @ 9"	#5 @ 9"	#4 @ 10"	#4 @ 7 1/2"	#4 @ 9"	#4 @ 7 1/2"	20' - 0"
22' - 0"	#4 @ 10"	#4 @ 8"	#4 @ 9"	#5 @ 6 1/2"	#4 @ 10"	#4 @ 6"	#4 @ 9"	#4 @ 6"	22' - 0"
24' - 0"	#4 @ 10"	#4 @ 6"	#4 @ 9"	#5 @ 6"	#4 @ 10"	#4 @ 4"	#4 @ 9"	#4 @ 4"	24' - 0"

WIND EXPOSURE & VELOCITY		
NOISE BARRIER TYPE	WIND EXPOSURE	WIND VELOCITY (MPH)
5SSA	B1	80
5SSB	B1	90
5SSC	B2	80
5SSD	B2	90

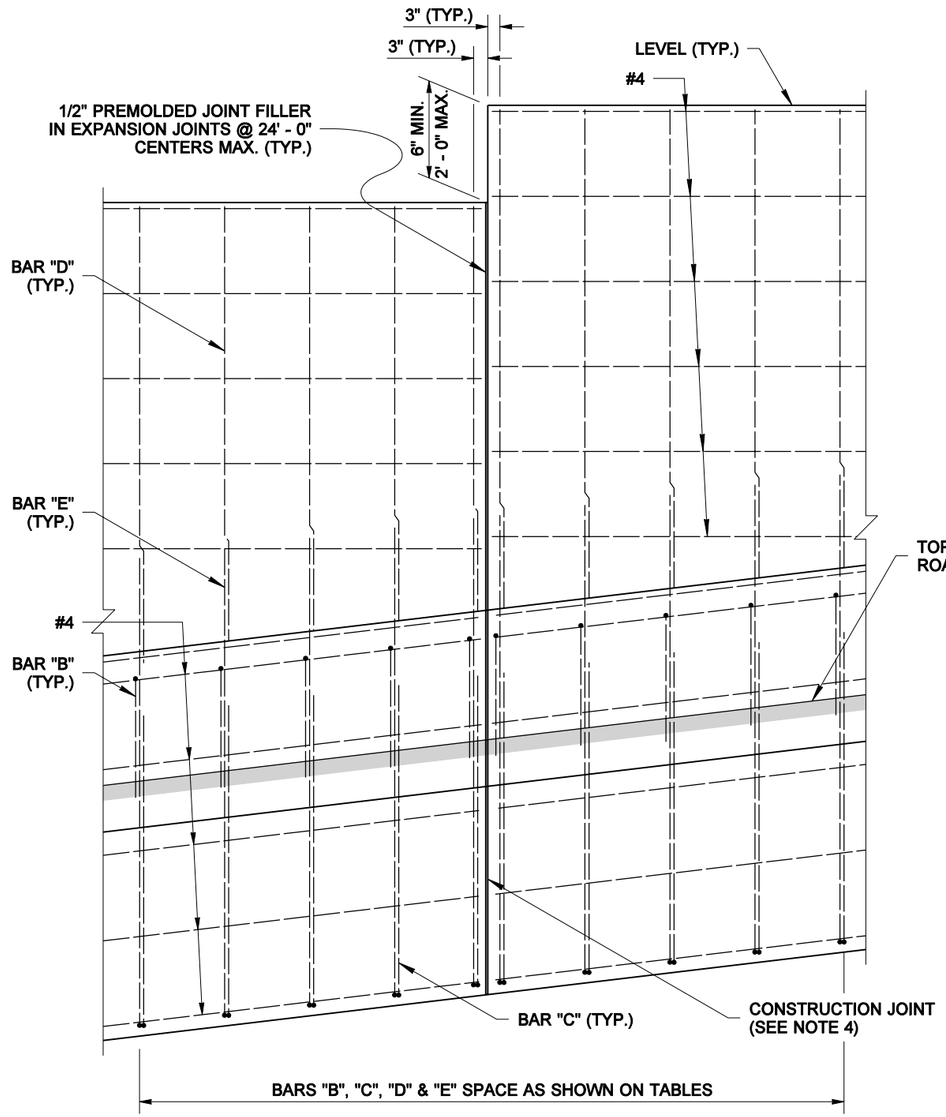
SOIL TYPE	
SOIL TYPE	ANGLE OF INTERNAL FRICTION ϕ (DEGREES)
D1	32
D2	38



TYPICAL SECTION

3 HEIGHT MAY VARY IF REQUIRED TO PROVIDE A SMOOTH PROFILE CONSISTENT WITH THE ROADWAY PROFILE

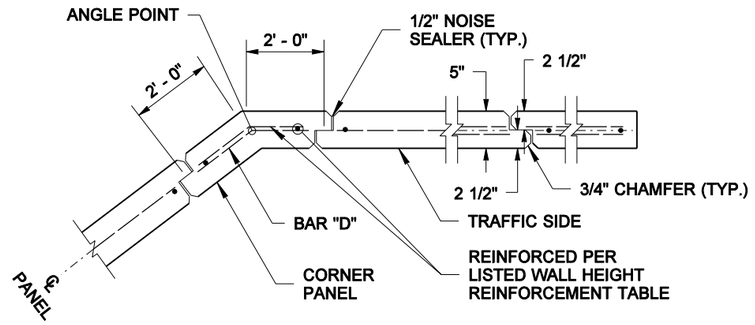
1 CONSTRUCTION JOINT WITH ROUGHENED SURFACE



ELEVATION

NOTES

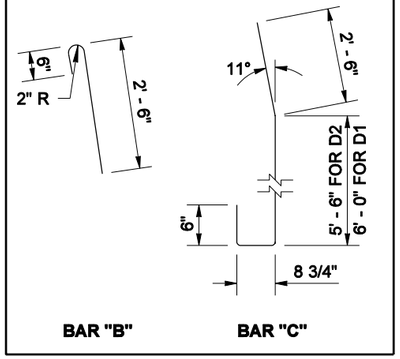
1. Wall to be designated Noise Barrier Wall Type 5SSA, 5SSB, 5SSC or 5SSD. The Contract specifies actual wall designations.
2. For intermediate wall heights, use the next higher H.
3. Panels shall have at least 3 feet min. of level ground on each side.
4. Construction joints in the footing shall be spaced at 120 feet max.
5. The Contract specifies actual foundation requirements D1 or D2.



JOINT AND CORNER DETAIL

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

BENDING DIAGRAM



CAST-IN-PLACE W/ SINGLE SLOPE TRAFFIC BARRIER ON TRENCH FOOTING

BIJAN KHALEGHI
STATE OF WASHINGTON
27695
REGISTERED
PROFESSIONAL ENGINEER

EXPIRES AUGUST 23, 2006

NOISE BARRIER WALL TYPE 5SS

STANDARD PLAN D-2.12-00

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Harold J. Peterfeso — STATE DESIGN ENGINEER
11-10-05 — DATE

Washington State Department of Transportation